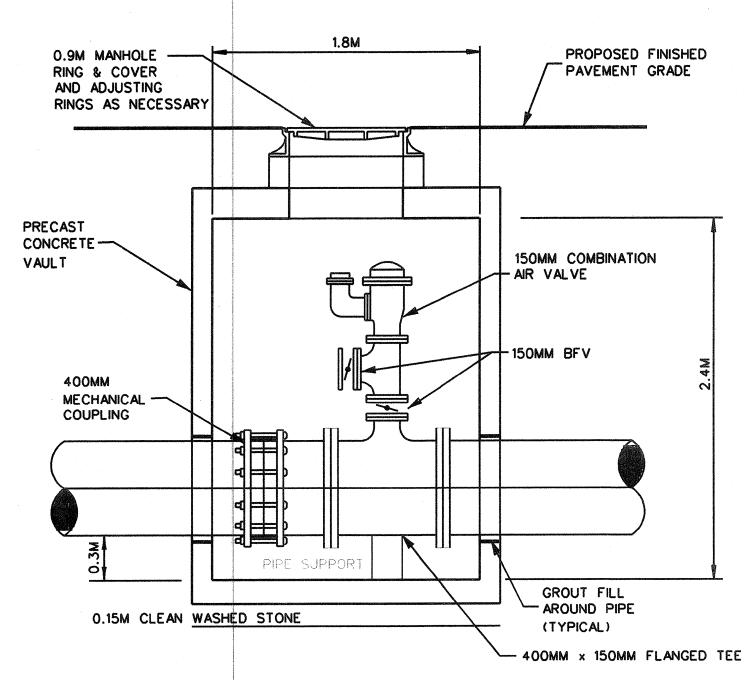


THE CONTRACTOR SHALL REPLACE ANY DAMAGED SEWER LATERALS AND/OR CLEANOUTS AS DIRECTED BY THE ENGINEER. THE NECESSARY QUANTITIES HAVE BEEN ADDED TO THE CONTRACT TO FACILITATE THIS PROCEDURE.



PROPOSED AIR RELEASE VALVE IN MANHOLE



PROJECT REFERENCE NO.

U-2717

DESIGNED BY: DMP

DRAWN BY: DMP

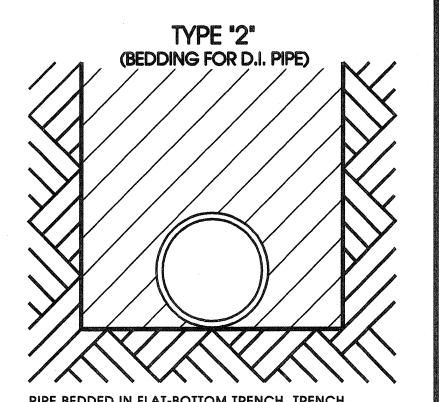
CHECKED BY: DMP

APPROVED BY:
REVISED:

NORTH CAROLINA
DEPARTMENT OF
TRANSPORTATION
DESIGN SERVICES UNIT
PHONE: (919)250-4128
FAX: (919)250-4119
UTILITY CONSTRUCTION
PLANS ONLY

UTILITY CONSTRUCTION

	MAXIMUM TRE AT TOP O	-	
NOMINAL PIPE SIZE (MM)	TRENCH WIDTH (M)	NOMINAL PIPE SIZE (MM)	TRENCH WIDTH (M)
100	0.71	500	1.12
150	0.76	600	1.22
200	0.81	750	1.37
250	0.86	900	1.52
300	0.91	1050	1.68
350	0.97	1200	1.83
400	1.02	1350	1.98
450	1.07		



PIPE BEDDED IN FLAT-BOTTOM TRENCH. TRENCH
BACKFILLED IN LOOSE 150MM LAYERS COMPACTED TO
TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL,
IF APPROVED BY THE ENGINEER, OR SELECT MATERIAL.
ALL MATERIAL SHALL BE FREE OF ROCKS, FOREIGN
MATERIAL, AND FROZEN EARTH. COMPACTION SHALL
BE TO APPROX. 95% DENSITY IN ACCORDANCE WITH
AASHTO T-99 AS MODIFIED BY THE DEPARTMENT
OF TRANSPORTATION.)

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